Listing of Claims:

Claims 1 and 2 (Canceled).

3. (Currently Amended) The test system ~~for a mobile communication terminal,~~ according to claim [[2]] 4, wherein the radio-communication marker generating unit, as the predetermined number of radio-communication markers, between the mobile communication terminal and respective positions of the plurality of cells on the ordinate in the second coordinate, causes to display ~~capable of recognizing~~ an indication of at least one of down radio-communication from the mobile communication terminal to one of the cells and up radio-communication from one of the cells to the mobile communication terminal, and ~~capable of recognizing~~ an indication of the points in radio-communication time which correspond to the radio-communication time information along the abscissa which is a time base of the second coordinate.

4. (Currently Amended) ~~The~~ A test system for a mobile communication terminal ~~, according to claim 2,~~ comprising:

a test procedure control unit which executes a procedure for carrying out a transition test for a connection state of a mobile communication terminal of a cellular system, and which outputs

control information including time setting information in accordance with the procedure;

a transmission/reception unit which, in accordance with the control information from the test procedure control unit, generates a plurality of test signals including predetermined messages corresponding to a plurality of cells in the cellular system, and which varies the plurality of test signals in accordance with a scheduled time passage to thereby transmit the signals to the mobile communication terminal and receive response signals including predetermined messages from the mobile communication terminal;

a reception measurement unit which measures time domain waveforms of the response signals including the predetermined messages from the mobile communication terminal;

a message log acquiring unit which acquires and stores messages and radio-communication time information when the transmission/reception unit and the mobile communication terminal exchange the respective predetermined messages;

a display unit which displays measured results of the time domain waveforms from the reception measurement unit and the radio-communication time information from the message log acquiring unit; and

a display control unit which carries out processing for receiving the measured results of the time domain waveforms from

the reception measurement unit and the radio-communication time information from the message log acquiring unit, and for causing to display graphs indicating the measured results of the time domain waveforms and a predetermined number of radio-communication markers indicating points in radio-communication time which correspond to the radio-communication time information by a graphic display capable of simultaneously comparing at both sides of the same time base on the display unit;

wherein the display control unit includes:

a coordinate generating unit which divides a display screen of the display unit into at least a first region and a second region, and which causes to display a first coordinate where the abscissa is time and the ordinate is power level at the first region, and causes to display a second coordinate where the abscissa is a time base which is the same as the abscissa of the first coordinate and the ordinate is positions of the mobile communication terminal and the plurality of cells at the second region;

a data display control unit which causes to display the graphs indicating the measured results of the time domain waveforms at the first coordinate displayed by means of the coordinate generating unit; and

a radio-communication marker generating unit which causes to display a predetermined number of radio-communication

markers indicating points in radio-communication time which correspond to the radio-communication time information along the abscissa which is a time base of the second coordinate displayed by means of the coordinate generating unit;

wherein the reception measurement unit has a function of measuring a transition time that, in accordance with a response signal from the mobile communication terminal, until it is switched from a state in which the mobile communication terminal receives a first test signal showing a greater strength at a current point in time among the plurality of test signals to a state in which the mobile communication terminal receives a second test signal having a second greater strength among the plurality of test signals accompanying that the plurality of test signals are varied to be successively made to be a greater strength in accordance with the scheduled time passage,

wherein the test system ~~for a mobile communication terminal~~ further comprises a determining unit which, upon receiving the measured results of the transition time from the reception measurement unit, carries out success/failure determination as to whether a transition has been a success or a failure in which the mobile communication terminal switches from a state of receiving the first test signal to a state of receiving the second test signal among the plurality of test signals corresponding to the

plurality of cells in accordance with the control information from the test procedure control unit, and

wherein the data display control unit causes to display ~~capable of recognizing~~ an indication of a success/failure as a result of the success/failure determination by the determining unit together with a corresponding radio-communication marker among the predetermined number of radio-communication markers displayed by means of the radio-communication marker generating unit.

5. (Currently Amended) The test system ~~for a mobile communication terminal,~~ according to claim [[2]] 4, wherein the data display control unit causes to display ~~capable of recognizing~~ an indication of states from a start up to a time of responding at a point in time when a scheduled response is completed, accompanying a display of the corresponding radio-communication marker among the predetermined number of radio-communication markers displayed by means of the radio-communication marker generating unit, at least one of the first and second coordinates along the abscissa which is a time base of the first and second coordinates displayed by means of the coordinate generating unit.

6. (Currently Amended) The test system ~~for a mobile communication terminal,~~ according to claim [[2]] 4, wherein the message log acquiring unit comprises a storage unit which acquires and analyzes message information when the transmission/reception unit and the mobile communication terminal exchange the respective predetermined messages, thereby storing at least a part of or a text of the message information so as to be read, and

wherein the display control unit ~~has~~ includes:

a designation marker generating unit which generates a designation marker that moves in accordance with a selective designation of an operator along the abscissa which is a time base of the second coordinate displayed by means of the coordinate generating unit, and causes to display at least one of the predetermined number of radio-communication markers displayed by means of the radio-communication marker generating unit; and

a message display control unit which, when a specific radio-communication marker among the predetermined number of radio-communication markers is designated by the designation marker displayed by means of the designation marker generating unit, reads out at least a part of or a text of message information corresponding to the specific radio-communication marker from the storage unit of the message acquiring unit and causes to display it on the display unit.

7. (Currently Amended) The test system ~~for a mobile communication terminal,~~ according to claim [[1]] 4, wherein the reception measurement unit includes a spectrum analyzer having a function of analyzing and measuring a response signal from the mobile communication terminal at a time domain.

8. (Currently Amended) The test system ~~for a mobile communication terminal,~~ according to claim [[2]] 4, wherein the test procedure control unit ~~has~~ comprises a computer and a computer readable medium having stored thereon computer readable program code means for causing the computer to carry out a transition test for a connection state of the mobile communication terminal of the cellular system, and ~~outputs~~ to output control information including time setting information in accordance with the computer readable program code means.

9. (Currently Amended) The test system ~~for a mobile communication terminal,~~ according to claim 8, wherein the determining unit, the message log acquiring unit, and the display control unit are organized together with the test procedure control unit as ~~software~~ operating units of the computer.

10. (Currently Amended) The test system ~~for a mobile communication terminal,~~ according to claim 9, wherein the computer readable ~~program code means~~ medium has stored thereon:

first computer readable program code means for causing the transmission/reception unit to generate a plurality of test signals including predetermined messages corresponding to a plurality of cells in the cellular system in accordance with the control information from the test procedure control unit, and to vary the plurality of test signals in accordance with a scheduled time passage to thereby transmit the signals to the mobile communication terminal and receive response signals including the predetermined messages from the mobile communication terminal;

second computer readable program code means for causing the reception measurement unit to measure time domain waveforms of the response signals including the predetermined messages from the mobile communication terminal;

third computer readable program code means for causing the message log acquiring unit to acquire and store messages and the radio-communication time information when the transmission/reception unit and the mobile communication terminal exchange the respective predetermined messages;

fourth computer readable program code means for causing the display unit to display measured results of the time domain waveforms from the reception measurement unit and the

radio-communication time information from the message log acquiring unit; and

fifth computer readable program code means for causing the display control unit to carry out processing for receiving the measured results of the time domain waveforms from the reception measurement unit and the radio-communication time information from the message log acquiring unit, and to display graphs indicating the measured results of the time domain waveforms and a predetermined number of radio-communication markers indicating points in radio-communication time which correspond to the radio-communication time information by a graphic display capable of simultaneously comparing at both sides on the same time base on the display unit.

11. (Currently Amended) The test system ~~for a mobile communication terminal,~~ according to claim 10, wherein the computer readable ~~program code means~~ medium further has stored thereon:

sixth computer readable program code means for causing the coordinate generating unit to divide a display screen of the display unit into at least a first region and a second region, and to display a first coordinate where the abscissa is time and the ordinate is power level on the first region, and a second coordinate where the abscissa is a time base which is the same as

the abscissa of the first coordinate and the ordinate is respective positions of the mobile communication terminal and the plurality of cells on the second region;

seventh computer readable program code means for causing the data display control unit to display the graphs indicating the measured results of the time domain waveforms at the first coordinate displayed by means of the coordinate generating unit; and

eighth computer readable program code means for causing the radio-communication marker generating unit to display the predetermined number of radio-communication markers indicating points in radio-communication time which correspond to the radio-communication time information along the abscissa which is a time base of the second coordinate displayed by means of the coordinate generating unit.

12. (Currently Amended) The test system ~~for a mobile communication terminal,~~ according to claim 11, wherein the computer readable ~~program code means~~ medium further has stored thereon:

ninth computer readable program code means for causing the radio-communication marker generating unit to display, as the predetermined number of radio-communication markers, between the respective positions of the mobile communication terminal and the

plurality of cells at the second coordinate, ~~capable of recognizing~~ an indication of at least one of down radio-communication from the mobile communication terminal to one of the cells and up radio-communication from one of the cells to the mobile communication terminal, and ~~capable of recognizing~~ an indication of the points in radio-communication time which correspond to the radio-communication time information along the abscissa which is a time base of the second coordinate.

13. (Currently Amended) The test system ~~for a mobile communication terminal,~~ according to claim 12, wherein the computer readable ~~program code means~~ medium further has stored thereon:

tenth computer readable program code means for causing the reception measurement unit to, in accordance with a response signal from the mobile communication terminal, measure a transition time that until it is switched from a state in which the mobile communication terminal receives a first test signal showing a greater strength at a current point in time among the plurality of test signals to a state in which the mobile communication terminal receives a second test signal having a second greater strength among the plurality of test signals accompanying that the plurality of test signals are varied to be

successively made to be a greater strength in accordance with the scheduled time passage;

eleventh computer readable program code means for causing a determining unit to, upon receiving the measured results of the transition time from the reception measurement unit, carry out success/failure determination as to whether a transition has been a success or a failure in which the mobile communication terminal is switched from a state of receiving the first test signal among the plurality of test signals corresponding to the plurality of cells to a state of receiving the second test signal in accordance with the control information from the test procedure control unit; and

twelfth computer readable program code means for causing the data display control unit to display ~~capable of recognizing~~ an indication of a success/failure as a result of the success/failure determination by the determining unit together with a corresponding radio-communication marker among the predetermined number of radio-communication markers displayed by means of the radio-communication marker generating unit.

14. (Currently Amended) The test system ~~for a mobile communication terminal,~~ according to claim 13, wherein the computer readable ~~program code means~~ medium further has stored thereon:

thirteenth computer readable program code means for causing the data display control unit to display ~~capable of recognizing~~ an indication of states from a start up to a time of responding at a point in time when a scheduled response is completed, accompanying the display of a corresponding radio-communication marker among the predetermined number of radio-communication markers displayed by means of the radio-communication marker generating unit, at least one of the first and second coordinates along the abscissa which is a time base of the first and second coordinates displayed by means of the coordinate generating unit.

15. (Currently Amended) The test system ~~for a mobile communication terminal,~~ according to claim 14, wherein the computer readable ~~program code means~~ medium further has stored thereon:

fourteenth computer readable program code means for causing the storage unit of the message log acquiring unit to acquire and analyze message information when the transmission/reception unit and the mobile communication terminal exchange the respective predetermined messages, thereby storing at least a part of or a text of the message information to be read.

16. (Currently Amended) The test system ~~for a mobile communication terminal,~~ according to claim 15, wherein the

computer readable ~~program code means~~ medium further has stored thereon:

fifteenth computer readable program code means for causing the designation marker generating unit of the display control unit to move in accordance with a selective designation by an operator along the abscissa which is a time base of the second coordinate displayed by means of the coordinate generating unit, and generate a designation marker identifying at least one of the predetermined number of radio-communication markers displayed by means of the radio-communication marker generating unit to be designated; and

sixteenth computer readable program code means for causing the message display control unit of the display control unit to, when a specific radio-communication marker among the predetermined number of radio-communication markers is designated by the designation marker displayed by means of the designation marker generating unit, read out at least a part of or a text of the message information corresponding to the specific radio-communication marker from the message acquiring unit, and to display it on the display unit.

Claims 17-22 (Canceled).

23. (Currently Amended) ~~The~~ A test method for a mobile communication terminal ~~, according to claim 22,~~ comprising:

operating a test procedure control unit to execute a procedure for carrying out a transition test for a connection state of a mobile communication terminal of a cellular system, and outputting control information including time setting information in accordance with the procedure from the test procedure control unit;

operating a transmission/reception unit, in accordance with the control information from the test procedure control unit, to generate a plurality of test signals including predetermined messages corresponding to a plurality of cells in the cellular system, and vary the plurality of test signals in accordance with a scheduled time passage to thereby transmit the signals to the mobile communication terminal and receive a response signal including a predetermined message from the mobile communication terminal in the transmission/reception unit;

operating a reception measurement unit to measure a time domain waveform of the response signal including the predetermined message from the mobile communication terminal in the reception measurement unit;

operating a message log acquiring unit to acquire and store messages and radio-communication time information when the transmission/reception unit and the mobile communication terminal

exchange respective messages by means of the message log acquiring unit;

operating a display unit to display measured results of the time domain waveforms from the reception measurement unit, and the radio-communication time information from the message log acquiring unit; and

operating a display control unit to carry out processing for receiving the measured results of the time domain waveforms from the reception measurement unit and the radio-communication time information from the message log acquiring unit, and for causing to display graphs indicating the measured results of the time domain waveforms and a predetermined number of radio-communication markers indicating points in radio-communication time which correspond to the radio-communication time information by a graphic display capable of simultaneously comparing at both sides of the same time base on the display unit by means of the display control unit;

wherein the test procedure control unit comprises a computer and a computer readable medium having stored thereon a computer readable program code means for causing the computer to carry out a transition test for a connection state of the mobile communication terminal of the cellular system, and to output control information including time setting information in accordance with the computer readable program code means;

wherein the message log acquiring unit and the display control unit are organized together with the test procedure control unit as operating units of the computer; and

wherein the computer readable medium has stored thereon:

first computer readable program code means for causing the transmission/reception unit to, in accordance with the control information from the test procedure control unit, generate a plurality of test signals including predetermined messages corresponding to the plurality of cells in the cellular system, and vary the plurality of test signals in accordance with a scheduled time passage to thereby transmit the signals to the mobile communication terminal and receive response signals including the predetermined messages from the mobile communication terminal;

second computer readable program code means for causing the reception measurement unit to measure time domain waveforms of the response signals including the predetermined messages from the mobile communication terminal;

third computer readable program code means for causing the message log acquiring unit to acquire and store messages and radio-communication time information when the transmission/ reception unit and the mobile communication terminal exchange the respective predetermined messages;

fourth computer readable program code means for causing the display unit to display measured results of the time domain waveforms from the reception measurement unit and the radio-communication time information from the message log acquiring unit;

fifth computer readable program code means for causing the display control unit to carry out processing for receiving the measured results of the time domain waveforms from the reception measurement unit and the radio-communication time information from the message log acquiring unit, and for causing to display graphs indicating the measured results of the time domain waveforms and a predetermined number of radio-communication markers indicating points in radio-communication time which correspond to the radio-communication time information by a graphic display capable of simultaneously comparing at both sides on the same time base on the display unit;

sixth computer readable program code means for causing a coordinate generating unit of the display control unit to divide a display screen of the display unit into at least a first region and a second region, and to display a first coordinate where the abscissa is time and the ordinate is power level on the first region, and a second coordinate where the abscissa is a time base which is the same as the abscissa of the first coordinate and the

ordinate is respective positions of the mobile communication terminal and the plurality of cells on the second region;

seventh computer readable program code means for causing a data display control unit of the display control unit to display graphs indicating the measured results of the time domain waveforms at the first coordinate displayed by means of the coordinate generating unit;

eighth computer readable program code means for causing a radio-communication marker generating unit of the display control unit to display a predetermined number of radio-communication markers indicating points in radio-communication time which correspond to the radio-communication time information along the abscissa which is a time base of the second coordinate displayed by means of the coordinate generating unit;

ninth computer readable program code means for causing the radio-communication marker generating unit of the display control unit to display an indication of, as the predetermined number of radio-communication markers, between the respective positions of the mobile communication terminal and the plurality of cells on the ordinate at the second coordinate, at least one of down radio-communication from the mobile communication terminal to one of the cells and up radio-communication from one of the cells to the mobile communication terminal, and an indication of the points in radio-communication time which correspond to the

radio-communication time information along the abscissa which is a time base of the second coordinate;

_____tenth computer readable program code means for causing the reception measurement unit to, in accordance with the response signals from the mobile communication terminal, measure a transition time that until it is switched from a state in which the mobile communication terminal receives a first test signal showing a greater strength at a current point in time among the plurality of test signals to a state in which the mobile communication terminal receives a second test signal having a second greater strength among the plurality of test signals accompanying that the plurality of test signals are varied to be successively made to be a greater strength in accordance with the scheduled time passage;

eleventh computer readable program code means for causing the determining unit to, upon receiving the measured results of the transition time from the reception measurement unit, carry out success/failure determination as to whether a transition has been a success or a failure in which the mobile communication terminal is switched from a state of receiving the first test signal among the plurality of test signals corresponding to the plurality of cells to a state of receiving the second test signal in accordance with the control information from the test procedure control unit; and

twelfth computer readable program code means for causing the data display control unit of the display control unit to display ~~capable of recognizing~~ an indication of a success/failure as the result of the success/failure determination by the determining unit together with a corresponding radio-communication marker among the predetermined number of radio-communication markers displayed by means of the radio-communication marker generating unit.

24. (Currently Amended) The test method ~~for a mobile communication terminal,~~ according to claim 23, wherein the computer readable ~~program code means~~ medium further has stored thereon:

thirteenth computer readable program code means for causing the data display control unit to display ~~capable of recognizing~~ an indication of states from a start up to a time of responding at a point in time when a scheduled response is completed, accompanying the display of a corresponding radio-communication marker among the predetermined number of radio-communication markers displayed by means of the radio-communication marker generating unit, at least one of the first and second coordinates along the abscissa which is a time base of the first and second coordinates displayed by means of the coordinate generating unit.

25. (Currently Amended) The test method ~~for a mobile communication terminal,~~ according to claim 24, wherein the computer readable ~~program code means~~ medium further has stored thereon:

fourteenth computer readable program code means for causing the storage unit of the message log acquiring unit to acquire and analyze message information when the transmission/reception unit and the mobile communication terminal exchange the respective predetermined messages, thereby storing at least a part of or a text of the message information to be read.

26. (Currently Amended) The test method ~~for a mobile communication terminal,~~ according to claim 25, wherein the computer readable ~~program code means~~ medium further has stored thereon:

fifteenth computer readable program code means for causing the designation marker generating unit of the display control unit to move in accordance with a selective designation by an operator along the abscissa which is a time base of the second coordinate displayed by means of the coordinate generating unit, and to generate a designation marker identifying at least one of the predetermined number of radio-communication markers displayed by means of the radio-communication marker generating unit to be designated; and

sixteenth computer readable program code means for causing the message display control unit of the display control unit to, when a specific radio-communication marker among the predetermined number of radio-communication markers is designated by the designation marker displayed by the designation marker generating unit, read out at least a part of or a text of the message information corresponding to the specific radio-communication marker from the message acquiring unit, and to display it on the display unit.